

What is claimed is:

1. An automatic synthesis machine, comprising:
a display device for displaying at least a part of vessels housed in a reactor; and
a selection means for selecting one or more vessels among the vessels displayed on a screen of the display device.
2. An automatic synthesis machine according to claim 1, wherein said display device permits the operation contents related to the vessels selected by the selection means to be identified.
3. An automatic synthesis machine according to claim 1, wherein said display device is connected to a protocol creation means for creating a protocol prescribing the procedure of synthesis operation related to said vessels, and said selection means receives data related to the vessels set in creation of the protocol from said protocol creation means, causing the display device to display the vessels in a manner such that they can be identified on the screen, together with the operation contents related to the vessels.
4. An automatic synthesis machine according to claim 1, wherein said display device is connected to a storage means for storing the protocol prescribing the procedure of synthesis

09696265 103000

operation related to said vessels, and displays the stored protocol in said storage means on the screen for selection of one line of the displayed protocol by said selection means, causing the display device to display the vessels described in the selected protocol line on the screen, together with the operation contents related to said vessels.

5. An automatic synthesis machine according to claim 1, wherein said display device is connected to a protocol execution means, and said protocol execution means reads out the protocol from said storage means one line at a time in sequence for execution, causing the display device to display the protocol line in process of execution on the screen, together with the vessels described in said protocol line and the operation contents related to said vessels.

6. An automatic synthesis machine for automatic synthesis of compounds by allowing reagents to chemically react with each other, comprising;

a plurality of vessels for use in synthesis of compounds;

a selection means for selecting a specific vessel among said plurality of vessels; and

an analysis means for analyzing the protocol prescribing a series of commands for synthesis of compounds and picking out the commands related to the selected vessel from said

000001" 68226960

protocol.

7. A control device used for an automatic synthesis machine to drive a suction/injection unit for suction or injection of reagents in vessels housed in a reactor, comprising;

a display means having display screens;

a protocol creation means for creating a protocol;

a storage means for storing the protocol;

a selection means for selecting the vessel; and

a protocol line analysis means for picking out all the operation contents related to the vessel selected by said selection means from the protocol stored in said storage means to create the operational procedure related to the selected vessel, causing the storage device to store the contents of the operational procedure and also causing said display device to display them on the screen.

000001" 68286960